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ABSTRACT

This book presents extensive sampling of a "whole math" curriculum for preschool and kindergarten children ages 3 and older. An introductory chapter is followed by seven curriculum chapters that discuss math manipulatives, collections, grid games, path games, graphing, math and gross-motor play, and the "math suitcase." Each chapter is divided into three sections. The first section provides background information and suggestions for teachers on each of the chapter topics. The second section is composed of activities that illustrate how to make the materials and provide suggestions for implementation. Each chapter ends with several anecdotes that describe real-life interactions with some of the materials. For each of over 100 activities included, the guide: (1) provides a detailed description of the materials needed; (2) identifies the level of development that the material targets; (3) describes a number of scenarios to guide teachers as they watch a range of children interact with the material; (4) lists ways in which to vary the activities; (5) provides ideas for possible questions to ask for each activity; (6) makes suggestions for coordinating the math material with other math activities and with other areas of the curriculum; and (7) offers helpful hints. To assist teachers in assessing their children's progress, assessment forms are included. (AA)

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